



GRADE 8 PRE-TECHNICAL STUDIES

1. Naliaka, a grade 8 learner, purchased a spray that had the symbols shown below. What safety warning does the symbol give? (2 marks)



Q: _____



R: _____

1

2. Match the following fire-fighting techniques with the correct explanation of how each works. (4 marks)

Fire-fighting Technique	How it works
Cooling	Fire is covered with a blanket of non-flammable material.
Starvation	It uses fire extinguishers or other agents to disrupt the combustion process.
Smothering	Removes the fire's fuel source. e.g. shutting off gas or electricity supply.
Interrupting	Uses water or other agents to lower the temperature of the fire.

3. Identify the cause of the fire shown in the image below. (2mks)



4. State three causes of fire in a work environment (3mks)

- i. _____
- ii. _____
- iii. _____

5. List two data threats on an electronic device (2mks)

- i. _____
ii. _____

6. State two ways of securing data in an electronic device. (2mks)

- i. _____
ii. _____

7. Identify the following fire-fighting equipment (2mks)



S



T

2

S: _____ T: _____

8. Fill the dashes below with the right choice from the brackets

- a) We should use _____ (password protection, antivirus protection, access levels) to prevent data loss through virus attacks. (2mks)
- b) In order to prevent unauthorised people from seeing data in your electronic device, use _____ (access levels, backup, antivirus) (2mks)
9. The physical components of a computer that are tangible are called _____ (2mks)

10. Identify the following parts of a computer (4mks)



M

N

M: _____

N: _____

11. State the four categories of computer hardware (4mks)

- i. _____
- ii. _____
- iii. _____
- iv. _____

3

12. Match the following input devices to their respective categories (3mks)

Device	Category
Mouse	Voice input device
Microphone	Keying device
Keyboard	Pointing device

13. Explain the meaning of the following terms as used in business (4mks)

a) Consumer

b) Investor

14. State one importance of consumer protection in Kenya. (2mks)

- i. _____
- ii. _____
- iii. _____

15. What do the initials "NGO" stand for? (2mks)

16. List two forms of communication (2mks)

- i. _____
- ii. _____

17. _____ is a short message used in business to quickly share information within the organization. (2mks)

18. _____ are notes taken during meetings to record what was discussed and decided, helping everyone remember and follow up on actions. (2mks)

19. Name a type of scale used to measure distances on maps or drawings (2mks)

Pre-technical studies

Answers

1. Q- flammable R-Biohazard
2.
 1. **Cooling** — Uses water or other agents to lower the temperature of the fire.
 2. **Starvation** — Removes the fire's fuel source, e.g., shutting off gas or electricity supply.
 3. **Smothering** — Fire is covered with a blanket of non-flammable material.
 4. **Interrupting** — Uses fire extinguishers or other agents to disrupt the combustion process.
3. naked wires
4.
 1. Faulty electrical wiring or equipment.
 2. Improper handling or storage of flammable materials.
 3. Negligence, such as unattended open flames or smoking in prohibited areas.
5.
 1. Malware and viruses that can damage or steal data.
 2. Unauthorized access or hacking.
6.
 1. Using strong passwords and encryption.
 2. Installing antivirus software and keeping the system updated.
7.
 - a) fire extinguisher
 - b) helmet
8.
 - a) antivirus protection
 - b) access levels.
9. hardware.
10.
 - M) monitor/VDU
 - N) Hard Drive
11.
 1. Input devices
 2. Output devices
 3. Processing devices

- 4. Storage devices
- 12.
 - 1. **Mouse** — Pointing device
 - 2. **Microphone** — Voice input device
 - 3. **Keyboard** — Keying device
- 13.
 - a) **Consumer** — A person or organization that buys and uses goods or services to satisfy their needs or wants.
 - b) **Investor** — A person or organization that puts money into a business or project with the aim of making a profit.
- 14. safeguards consumers' health, safety, and economic interests,
- 15. Non-Governmental Organization.
- 16.
 - 1. Verbal communication
 - 2. Non-verbal communication
- 17. **Memo**
- 18. **Minutes**
- 19. linear scale.

